SCCSID = weir_specs.man v1.1 02/19/03

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Date: 2/19/03
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SOUTH FLORIDA WATER MANAGEMENT MODEL V5.0
INPUT MAN PAGE FOR

weir_specs.dat == specifications for passive weirs (berms)
(unit no. 133; wcas_input_data.F)

COLS	VAR NAME	FORMAT	DESCRIPTION
1. NUMBER OF PASSIVE WEIRS: (1 record total)			
-	no_of_wiers	free	total number of weirs in input file
2. LOCATION OF SOURCE, DISCHARGE COEFFICIENT, EQUATION EXPONENT, CREST HEIGHT, DIRECTION OF FLOW (no_of_wiers records total)			
-	icol_wier	free	grid column location of headwater for weir (headwater location must have higher land surface elevation than tailwater location)
-	irow_wier	free	grid row location of headwater for weir (headwater location must have higher land surface elevation than tailwater location)
-	dcoef_wier(i)	free	discharge coefficient of weir (= c * weir length)
-	pwr_wier(i)	free	weir exponent used in equation for flow
-	crstelev_w(i)	free	weir crest elevation (feet NGVD), weir crest height must be greater than the land surface elevation at the headwater location
-	wier_orient(i,k)	free	orientation of weir (direction of flow) options are in order of E W N S D: where E is eastward (west to east) where W is westward (east to west) where N is northward (south to north) where S is southward (north to south) where D is diagonal
Note: Where option is not set a capital letter O should be used as a placeholder.			
3. NAME OF WEIR, GRID LOCATION OF TAILWATER CONSTRAINT, STAGE OF TAILWATER CONSTRAINT (no_of_wiers records total)			

–	weir_name_wca	free	name of passive weir or berm (maximum of 6 characters)
–	icol_weir_tw_constrnt	free	column location of tailwater constraint used to determine when to stop flow
–	irow_weir_tw_constrnt	free	row location of tailwater constraint used to determine when to stop flow
–	rmax_tw_stage_wier	free	stage (feet NGVD) of tailwater constraint used to determine when to stop flow

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END OF DESCRIPTION FOR INPUT FILE "weir_specs.dat" (jabarne 11/20/02)
